

## EAST Search History

| Ref # | Hits | Search Query                             | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------------|------------------|---------|------------------|
| L1    | 675  | (431/12).CCLS.                           | US-PGPUB;<br>USPAT           | OR               | OFF     | 2007/11/20 16:48 |
| L2    | 348  | (431/75).CCLS.                           | US-PGPUB;<br>USPAT           | OR               | OFF     | 2007/11/20 16:48 |
| L3    | 488  | (431/75).CCLS.                           | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/11/20 16:49 |
| L4    | 807  | (431/12).CCLS.                           | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/11/20 16:48 |
| L5    | 372  | (431/18).CCLS.                           | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/11/20 16:49 |
| L6    | 2    | (3 or 4 or 5) and nuclear same resonance | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/11/20 16:54 |
| L7    | 176  | (700/274).CCLS.                          | US-PGPUB;<br>USPAT           | OR               | OFF     | 2007/11/20 16:53 |
| L8    | 4    | 7 and resonance                          | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/11/20 16:53 |
| L9    | 64   | 7 and frequency                          | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/11/20 16:53 |
| L10   | 0    | (3 or 4 or 5) and nuclear same frequency | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/11/20 16:54 |
| S1    | 2    | ((("3976726") or ("5829420")).PN.        | US-PGPUB;<br>USPAT           | OR               | OFF     | 2007/11/20 15:11 |

## EAST Search History

|    |      |   |                              |    |     |                  |
|----|------|---|------------------------------|----|-----|------------------|
| S2 | 99   | (<br>"20050221242" "20030187606"<br>"4556020" "4306878" "4959338"<br>"5302366" "6439831" "4887034"<br>"4514691" "5457385" "5500591"<br>"5814989" "6100688" "5266896"<br>"5365171" "5804967" "6159444"<br>"4166972" "4833392" "5254950"<br>"5594338" "5608321" "5986455"<br>"6127824" "6291994" "6822444"<br>H002177 H002177 "20040196036"<br>"20050030029" "20050202570"<br>"20060017605" "4439733"<br>"4902975" "5497773" "5722409"<br>"6456071" "5304930" "6461586"<br>"20070229072" "6284022"<br>"4878810" "5732203" "5918263"<br>"5580793" "5229722" "5592083"<br>"6150816" "6194898" "6242918"<br>"6246237" "6411208" "6566873"<br>"6856133" "6956476" "7109705"<br>"7132942" "7148684"<br>"20030001570" "20050073306"<br>"20060017439" "20060273786"<br>"20070096731" "5583437"<br>"5491414" "6208136" "6392408"<br>"6577128" "6900633" "7282913"<br>"7292033" "20030071619"<br>"20050116716" "20060091883"<br>"20060226838" "20060232274"<br>"5814987" "6326787" "6445271"<br>"20050073307" "4022276"<br>"4296378" "4319190" "5779637"<br>"5315250" "5952829" "6475753"<br>"4379262" "4531093" "4926125"<br>"5236694" "5325060" "4329646"<br>"5229724" "4569737" "5917322"<br>"5345174" "4587489" RE33279<br>"4532473" ).pn. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/11/20 15:18 |
| S3 | 623  | (324/300).CCLS.   | US-PGPUB;<br>USPAT           | OR | OFF | 2007/11/20 15:18 |
| S4 | 2212 | (324/307).CCLS.   | US-PGPUB;<br>USPAT           | OR | OFF | 2007/11/20 15:19 |
| S5 | 2951 | (324/309).CCLS.   | US-PGPUB;<br>USPAT           | OR | OFF | 2007/11/20 15:20 |
| S6 | 14   | S2 and combustion   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/11/20 16:48 |
| S7 | 6    | 324/309.ccls. and combustion  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/11/20 15:25 |

## EAST Search History

|     |     |                              |                              |    |    |                  |
|-----|-----|------------------------------|------------------------------|----|----|------------------|
| S8  | 7   | 324/307.ccls. and combustion | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20 15:20 |
| S9  | 4   | 324/300.ccls. and combustion | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20 15:20 |
| S11 | 8   | 324/309.ccls. and exhaust    | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20 15:25 |
| S12 | 119 | 324/307.ccls. and reaction   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20 15:25 |
| S13 | 60  | 324/300.ccls. and reaction   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20 15:25 |